

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/527,832  
Source: PGT/0  
Date Processed by STIC: 3/25/05

***ENTERED***



PCT

**RAW SEQUENCE LISTING**  
 PATENT APPLICATION: **US/10/527,832**

DATE: 03/25/2005  
 TIME: 09:03:02

Input Set : **A:\955-39 PCT US.txt**  
 Output Set: **N:\CRF4\03252005\J527832.raw**

3 <110> APPLICANT: Cornell Research Foundation  
 5 <120> TITLE OF INVENTION: Homing Peptides to Receptors of Heart Vasculature  
 7 <130> FILE REFERENCE: 955-39 PCT US  
**C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/527,832**  
 10 <141> CURRENT FILING DATE: 2005-03-15  
 12 <150> PRIOR APPLICATION NUMBER: US 60/412,330  
 13 <151> PRIOR FILING DATE: 2002-09-19  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US03/29379  
 16 <151> PRIOR FILING DATE: 2003-09-18  
 18 <160> NUMBER OF SEQ ID NOS: 9  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 7  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
 30 <220> FEATURE:  
 31 <221> NAME/KEY: MISC\_FEATURE  
 32 <222> LOCATION: (3)..(3)  
 33 <223> OTHER INFORMATION: X is Q or E  
 36 <400> SEQUENCE: 1  
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 39 1 5  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 7  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Artificial sequence  
 47 <220> FEATURE:  
 48 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
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 51 <221> NAME/KEY: MISC\_FEATURE  
 52 <222> LOCATION: (2)..(2)  
 53 <223> OTHER INFORMATION: X is R or W  
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 59 1 5  
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 63 <211> LENGTH: 7  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Artificial sequence  
 67 <220> FEATURE:  
 68 <223> OTHER INFORMATION: Homing peptide to heart vasculature

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70 <400> SEQUENCE: 3  
72 Gln Ala Gln Gly Gln Leu Val  
73 1 5  
76 <210> SEQ ID NO: 4  
77 <211> LENGTH: 7  
78 <212> TYPE: PRT  
79 <213> ORGANISM: Artificial sequence  
81 <220> FEATURE:  
82 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
84 <400> SEQUENCE: 4  
86 Ala Arg Arg Gly Gln Ala Val  
87 1 5  
90 <210> SEQ ID NO: 5  
91 <211> LENGTH: 7  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
98 <400> SEQUENCE: 5  
100 Gly Arg Arg Phe Ile Arg Val  
101 1 5  
104 <210> SEQ ID NO: 6  
105 <211> LENGTH: 152  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Homo sapiens  
109 <400> SEQUENCE: 6  
111 Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro Gln  
112 1 5 10 15  
115 Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu  
116 20 25 30  
119 Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu  
120 35 40 45  
123 Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly Cys  
124 50 55 60  
127 Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala Val  
128 65 70 75 80  
131 Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro Cys  
132 85 90 95  
135 Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro  
136 100 105 110  
139 Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser  
140 115 120 125  
143 Ala Glu Ile Asn Arg Pro Asp Tyr Leu Leu Phe Ala Glu Ser Gly Gln  
144 130 135 140  
147 Val Tyr Phe Gly Ile Ile Ala Leu  
148 145 150  
151 <210> SEQ ID NO: 7  
152 <211> LENGTH: 119  
153 <212> TYPE: PRT

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Input Set : A:\955-39 PCT US.txt  
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154 <213> ORGANISM: Homo sapiens  
156 <400> SEQUENCE: 7  
158 His Ser Asp Pro Ala Arg Arg Gly Gln Leu Ser Val Cys Asp Ser Ile  
159 1 5 10 15  
162 Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser  
163 20 25 30  
166 Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln  
167 35 40 45  
170 Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr  
171 50 55 60  
174 Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys  
175 65 70 75 80  
178 Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys  
179 85 90 95  
182 Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr  
183 100 105 110  
186 Leu Thr Ile Lys Arg Gly Arg  
187 115  
190 <210> SEQ ID NO: 8  
191 <211> LENGTH: 7  
192 <212> TYPE: PRT  
193 <213> ORGANISM: Artificial sequence  
195 <220> FEATURE:  
196 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
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204 <210> SEQ ID NO: 9  
205 <211> LENGTH: 7  
206 <212> TYPE: PRT  
207 <213> ORGANISM: Artificial sequence  
209 <220> FEATURE:  
210 <223> OTHER INFORMATION: Homing peptide to heart vasculature  
212 <400> SEQUENCE: 9  
214 Gly Trp Arg Phe Ile Arg Val  
215 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 8  
Seq#:2; Xaa Pos. 2

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/527,832**

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Input Set : **A:\955-39 PCT US.txt**

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0